

ABSTRACT

When a raw water to be filtered c is fed from a raw water tank 11 reservoiring a raw water (water to be treated) (a) to a membrane module by a raw water pump P1, 5 an activated carbon raw material supplied from an activated carbon tank 21 is milled together with water to be mixed (d) by a wet milling device 22, and added and mixed into the raw water tank 11 as an aqueous suspension containing activated carbon fine particles having an average particle size of 0.1  $\mu\text{m}$  to 10  $\mu\text{m}$ , thus producing the raw water to be 10 filtered (activated carbon-containing water to be treated) (c). The raw water to be filtered (activated carbon-containing water to be treated) (c) is filtered by the membrane module at a subsequent step, thereby obtaining a 15 purified water (b).